

Amendments to the Claims:

The listing of Claims will replace all prior versions and listings of the Claims in the application:

Listing of Claims

1. (Currently Amended) A presentation service architecture for a netcentric computing system, comprising:

a client connected with a web server; and

a desktop manager service, a direct manipulation service, a forms service, a input device service, a report and print service, a user navigation service, web browser services and window system services located on said client for interacting with said web server,

wherein said forms service is configured to enable applications

from said web server to use at least one field to display and collect data

from said client through said web browser services.

2. (Original) The presentation service architecture of claim 1, wherein said desktop manager service allows users to manipulate files and launch applications located on said client.

3. (Original) The presentation service architecture of claim 1, wherein said direct manipulation service allows users to manage at least one software application object by manipulating visual representations of said application objects located on said client.

4. (Original) The presentation service architecture of claim 1, wherein said direct manipulation service includes display services and input/validation services.

5. (Original) The presentation service architecture of claim 4, wherein said display services enable applications to represent application objects as at least one icon and control the display characteristics of said icon.

6. (Original) The presentation service architecture of claim 4, wherein said input/validation services enable applications to invoke validation

logic when a user selects an application object.

7. (Cancelled)

8. (Original) The presentation service architecture of claim 1, wherein said input device service detects user input from at least one input device located on said client.

9. (Original) The presentation services of claim 1, wherein said report and print service enables on-screen previewing and printing of documents that contain data that are generated on said client by said web server.

10. (Original) The presentation services of claim 1, where said user navigation service provide users with the ability to access or navigate

between functions within or across applications that are generated on said client by said web server.

11. (Original) The presentation services of claim 1, wherein said web browser service allows users to view and interact with applications and documents located on said client and said web server.

12. (Original) The presentation service architecture of claim 1, wherein said web browser services includes web browser extension services, web browser form services and web browser user navigation services.

13. (Currently Amended) The presentation service architecture of claim 12, wherein said web browser extension services is at least one~~may be~~ ~~selected from the group consisting~~ of plug-ins, helper application/viewers, Java applets, Active/X controls, and/or Java beans or combinations thereof.

14. (Original) The presentation service architecture of claim 12, wherein said web browser form service enables applications on said web server to use fields to display and collect data within said web browser services on said client.

15. (Original) The presentation service architecture of claim 12, wherein said web browser user navigation services provide users on said client with the ability to access or navigate between functions within or across applications located on said web server.

16. (Currently Amended) The presentation service architecture of claim 12, wherein said web browser user navigation services is at least ~~onemay be selected from the group consisting~~ of hyperlinks, customized menus ~~and/or~~ virtual reality services or combinations thereof.

17. (Original) The presentation service architecture of claim 1, wherein said window system service provides the base functionality for creating and managing a graphical user interface.

18. (Currently Amended) A presentation service architecture for a netcentric computing system, comprising:

a client connected with a web server;

a desktop manager service for allowing users to manipulate files and launch applications located on said client;

a direct manipulation service for allowing users to manage at least one software application object by manipulating visual representations of said application objects located on said client;

~~a form service for enabling applications from said web server to use at least one field to display and collect data from said client;~~

a input device service for detecting user input from at least one input device located on said client;

a report and print service for enabling on-screen previewing and printing of documents that contain data that are generated on said client by said web server;

a user navigation service for providing users with the ability to access or navigate between functions within or across applications that are generated on said client by said web server;

a web browser service for allowing users to view and interact with applications and documents located on said client and said web server, wherein said web browser service is configured to enable applications to use fields to display data and collect user input data;

a form service for enabling applications from said web server to use at least one field to display and collect data from said client outside of said web browser service; and

a window system service for providing a base functionality for creating and managing a graphical user interface.

19. (Original) The presentation service architecture of claim 18, wherein said direct manipulation service includes display services and input/validation services.

20. (Original) The presentation service architecture of claim 19, wherein said display services enable applications to represent application objects as at least one icon and control the display characteristics of said icon.

21. (Original) The presentation service architecture of claim 19, wherein said input/validation services enable applications to invoke validation logic when a user selects an application object.

22. (Original) The presentation service architecture of claim 18, wherein said web browser services include web browser extension services, web browser form services and web browser user navigation services.

23. (Currently Amended) The presentation service architecture of claim 22, wherein said web browser extension services is at least one~~may be selected from the group consisting~~ of plug-ins, helper application/viewers, Java applets, Active/X controls and/or Java beans or combinations thereof.

24. (Cancelled)

25. (Original) The presentation service architecture of claim 22, wherein said web browser user navigation services provide users on said client with the ability to access or navigate between functions within or across applications located on said web server.

26. (Currently Amended) The presentation service architecture of claim 22, wherein said web browser user navigation services is at least one~~may be selected from the group consisting~~ of hyperlinks, customized menus and/or virtual reality services or combinations thereof.

27. (Currently Amended) A method of providing a presentation service architecture for a netcentric computing system, comprising the steps of:

providing at least one client connected with a web server;

manipulating files and launching applications with a desktop manager service on said client;

allowing users to manage at least one software application object by manipulating visual representations of said application objects with a direct manipulation service on said client;

~~displaying and collecting data with a forms service on said client;~~

detecting user inputs from at least one input device with an input device service located on said client;

previewing and printing documents that contain data with a report and print service located on said client;

accessing or navigating between functions within or across applications on the web server with a user navigation service on said client;

viewing and interacting with applications and documents on said web server with a web browser service on said client, wherein said web browser service includes web browser extension services, web browser form services and web browser user navigation services, said web browser form services enables applications to use fields to display and collect data within said web browser service on said client;

displaying and collecting data with a forms service on said client, wherein said forms service and said user navigation service are operated outside of said web browser service, said forms service enables applications from said web server to use at least one field to display various data types on said client and perform validation of said collected data; and

providing a window system service that is capable of creating
and managing a graphical user interface on said client.

28. (Cancelled)

29. (Currently Amended) The method of claim 278, wherein said
web browser extension services is at least one~~may be selected from the group~~
~~consisting~~ of plug-ins, helper application/viewers, Java applets, Active/X
controls ~~and/or~~ Java beans and combinations thereof.

30. (Cancelled)

31. (Currently Amended) The method of claim 278, wherein said web browser user navigation services provide users on said client with the ability to access or navigate between functions within or across applications located on said web server.

32. (Currently Amended) The method of claim 272, wherein said web browser user navigation services is at least one~~may be selected from the~~ ~~group consisting~~ of hyperlinks, customized menus ~~and/or~~ virtual reality services or combinations thereof.

33. (New) The presentation service architecture of claim 1, wherein said forms service is configured to allow applications to copy the contents of said at least one field to a copybook structure stored in said client for retrieval or display by applications operable on said web server.

34. (New) The presentation services architecture of claim 1, wherein said at least one field is a plurality of fields, and said forms service is configured to manage field interdependencies and invoke application logic based on user actions and the state of said fields.

35. (New) The presentation services architecture of claim 1, wherein said forms service is operable outside of said web browser services.

36. (New) The presentation services architecture of claim 1, wherein said user navigation service is operable outside of said web browser services to access or navigate between functions within or across applications.

37. (New) The presentation services architecture of claim 18, wherein said user navigation service is operable outside of said web browser service.

38. (New) The presentation services architecture of claim 37, wherein said user navigation service is configured to provide users with the ability to access or navigate between functions with a list of functions included in at least one of a pull-down menu bar, a context-sensitive pop-up menu or a text-based menu.

39. (New) The presentation services architecture of claim 18, wherein said form service is configured to allow applications to copy the contents of said at least one field to a copybook structure stored in said client for retrieval or display by applications.

40. (New) The presentation services architecture of claim 18, wherein said form service is configurable to manage field interdependencies, invoke application logic based on the state of said at least one field, and provide validation of collected data.

41. (New) The method of claim 27, wherein navigating between functions comprises the user navigation service listing available functions with at least one of a pull-down menu, a context-sensitive pop-up menu and a text base menuing system.

42. (New) The method of claim 27, wherein displaying and collecting data comprises the forms service enabling applications to retrieve and display data by copying the contents of the at least one field to a copybook structure in memory.

43. (New) The method of claim 27, wherein displaying and collecting data comprises the forms service managing field interdependencies and invoking application logic based on user actions and the state of the at least one field.